

# JITENDRA AAKDE

AI/ML Engineer | GenAI & LLM Specialist

Indore, MP, 452001 | +91 8959419522 | jitendraaakde8959@gmail.com | jitendraaakde.netlify.app

## PROFESSIONAL SUMMARY

AI/ML Engineer with 1.5+ years of experience and Google Cloud ML Engineer certification, specializing in GenAI, LLMs, multi-agent systems, RAG pipelines, and model finetuning. Expert in building and deploying production-grade AI systems using Python, FastAPI, Docker, and cloud platforms (AWS/GCP). Skilled with vector databases (Weaviate, Pinecone), embeddings, prompt engineering, and modern LLM stacks including OpenAI, DeepSeek, Llama, and Mistral.

## SKILLS

- GenAI
- Machine Learning
- Deep Learning
- LLMs
- Fine-Tuning
- RAG
- MCP
- Prompt Engineering
- Agentic AI
- Python
- FastAPI
- Flask
- Django
- Docker
- Pinecone, Qdrant, Weaviate
- Graph DB
- Ollama
- MCP & Tools
- N8N
- AWS
- GCP
- CI/CD
- SQL
- PostgreSQL
- REST API
- GraphQL
- Git/GitHub
- Jira

## WORK EXPERIENCE

### Systango, Indore

#### AI/ML Engineer | Jan 2025 - Present

- Designed and implemented a RAG system for multi-format data using OpenAI and Gemini LLMs, vector databases, and prompt engineering, with PostgreSQL/MySQL integration.
- Built scalable services on AWS and GCP using Docker, and developed REST/GraphQL APIs with Django, Flask, and FastAPI for low-latency inference.
- Created asynchronous data pipelines with Celery and Redis for ingestion and database operations, enabling fast vector indexing and real-time chatbot processing.
- Improved RAG chatbot and AI-agent performance through prompt refinement, vector database tuning, and model/embedding optimization, increasing response quality and reducing latency.

### Software Developer Intern | July 2024 - Jan 2025

- Completed a 6-month Software Developer internship covering Agile/Scrum, sprint planning, advanced Git workflows, REST APIs, DBMS, QA/testing, and full-stack fundamentals.
- Built and delivered a full-stack e-commerce application using React, Redux, Node.js, and MongoDB with product listings, filters, cart, checkout, and shipping, while collaborating in cross-functional sprints, code reviews, and QA cycles.

### MotionCut Video Studio, Remote

#### Web Development Intern | Nov 2023 - Dec 2023

- Created dynamic backend features using Node.js and Express, including routing, form handling, authentication basics, and MongoDB data operations.
- Collaborated with senior developers to refine feature requirements, write unit tests, and deploy small modules, gaining experience with Git workflows and agile development.

## OctaNet Service Pvt Ltd, Remote

### Web Development Intern | Dec 2023 - Feb 2024

- Gained hands-on experience with backend fundamentals using Node.js and Express, working on basic REST endpoints, routing, and MongoDB CRUD operations.
  - Assisted in debugging, code cleanup, and small feature tasks while learning Git version control and Agile development practices.
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## ORGANIZATIONAL PROJECTS

### Keyra - AI-Driven Mentorship Platform

Built a multi-persona GenAI mentorship system using RAG, real-time user data, and AI-powered mentor-mentee matching.

- Developed three persona-based chatbots with intent classification, multi-intent handling, and real-time progress insights using GraphQL and vector search.
- Architected AI mentor-mentee matching and resource knowledge systems using RAG, batch processing, and Weaviate to process large mentor datasets and 1K+ documents.
- Implemented PII-safe moderation and an AI interview feedback service that processes audio/video from S3 via SQS to auto-generate facilitator evaluations.

### Ylabs - LLM-Powered Data & Document Intelligence Platform

Built a microservices AI platform for document Q&A and natural-language database analytics with multi-LLM support.

- Built a multimodal document intelligence service supporting PDF, DOCX, audio, and video with RAG pipelines and selectable LLM providers (OpenAI, Gemini, Claude).
  - Developed a Text-to-SQL analytics system that converts natural-language queries into SQL, executes them, and auto-generates charts and insights from organizational databases.
  - Designed and deployed 8+ scalable microservices using Flask, Django, Celery, PostgreSQL, Redis, and AWS with LLM-agnostic architecture across multiple personas.
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## PERSONAL PROJECTS

### DocQuery AI - AI Powered Document Intelligence

[Live Demo](#) | [GitHub](#)

- Built a dynamic AI document intelligence platform allowing users to upload any file type, create document collections, and query content with contextual answers and citations using multiple LLMs (OpenAI, Gemini, Claude, Groq, etc.).
- Engineered flexible multi-model support with provider selection and document filtering, enabling on-demand querying from selected sources and enhancing accuracy and relevance in retrieval-based QA.

### WhoHire - AI Driven Resume Screening & Smart Interview Automation

[Live Demo](#) | [GitHub](#)

- Developed an AI-powered hiring automation system that parses resumes, sends Twilio SMS confirmations, and runs agent-driven pre-screening interviews with reminders and stage tracking.
- Built a scalable FastAPI + PostgreSQL backend with QStash and a React/Next.js dashboard, cutting screening time by 70% and boosting candidate participation 2.4x.

### Ek Kadam NGO Website

[Live Demo](#) | [GitHub](#)

- Developed and deployed a responsive NGO website using React.js to showcase the organization's mission, programs, and impact, improving community outreach and engagement.

### Char Dham Yatra Information System

[Live Demo](#) | [GitHub](#)

- Built a MERN-based Char Dham Yatra platform centralizing hotels, travel services, maps, live weather, bookings, and chatbot support to simplify pilgrimage trip planning.

## CERTIFICATIONS

- Google Cloud Certified Professional Machine Learning Engineer [Link](#)
  - Alibaba Cloud Certified Developer [Link](#)
  - Apna College Course (DSA + Java) [Link](#)
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## ACHIEVEMENTS

- **Systango Hackathon 2025 Winner** – Won \$2,000 cash prize for designing an **Whohire: AI-driven automated hiring platform**.
  - Successfully cleared the **Google Cloud Professional Machine Learning Engineer** certification exam.
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## EDUCATION

### Acropolis Institute of Technology and Research, Indore (RGPV Uni.)

2024

- Bachelor of Technology in Computer Science and Information Technology: CGPA 7.17/10 Indore MP

### Govt Boys H S School Maheshwar Khargone

2017- 2020

- HSC (MP Board) Aggregate: 74.2/100
  - SSC (MP Board) Aggregate: 77.5/100 Maheshwar, MP
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## LINKS

**LinkedIn:** <https://www.linkedin.com/in/jitendraaakde/>

**GitHub:** <https://github.com/jitendraaakde>

**Portfolio:** <https://jitendraaakde.netlify.app/>